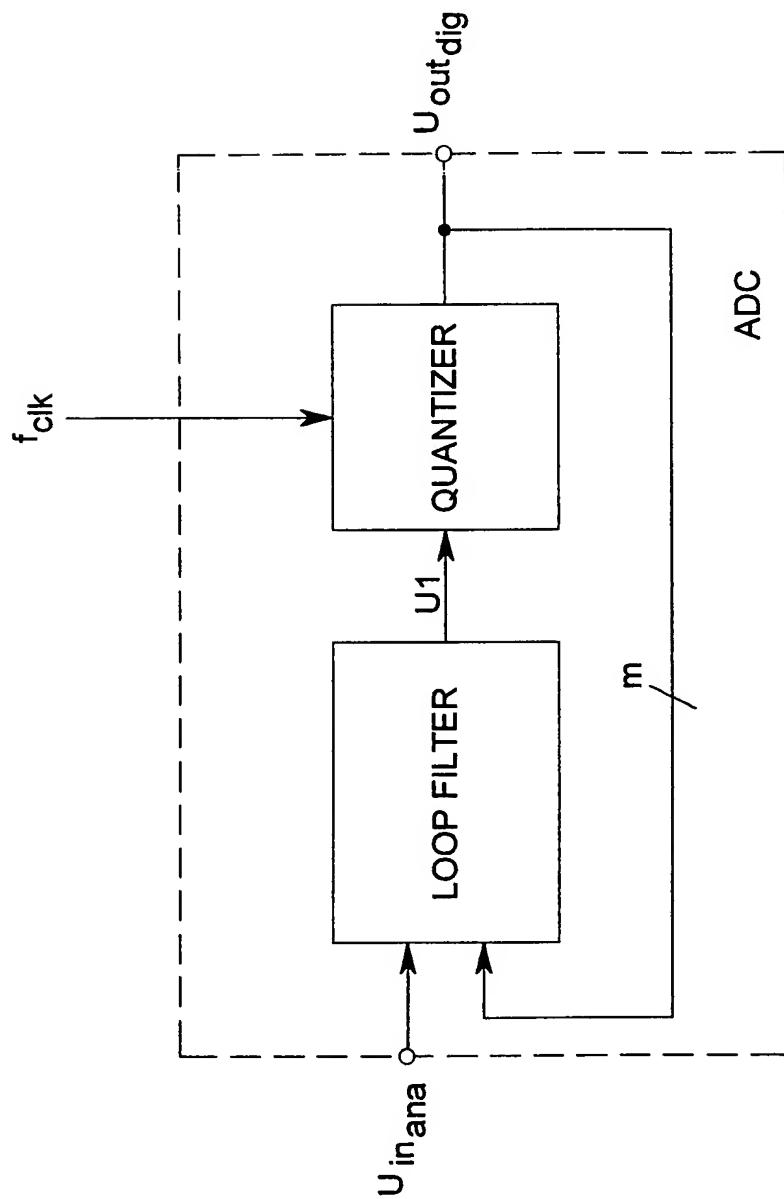


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APP. NO. 10/114,311  
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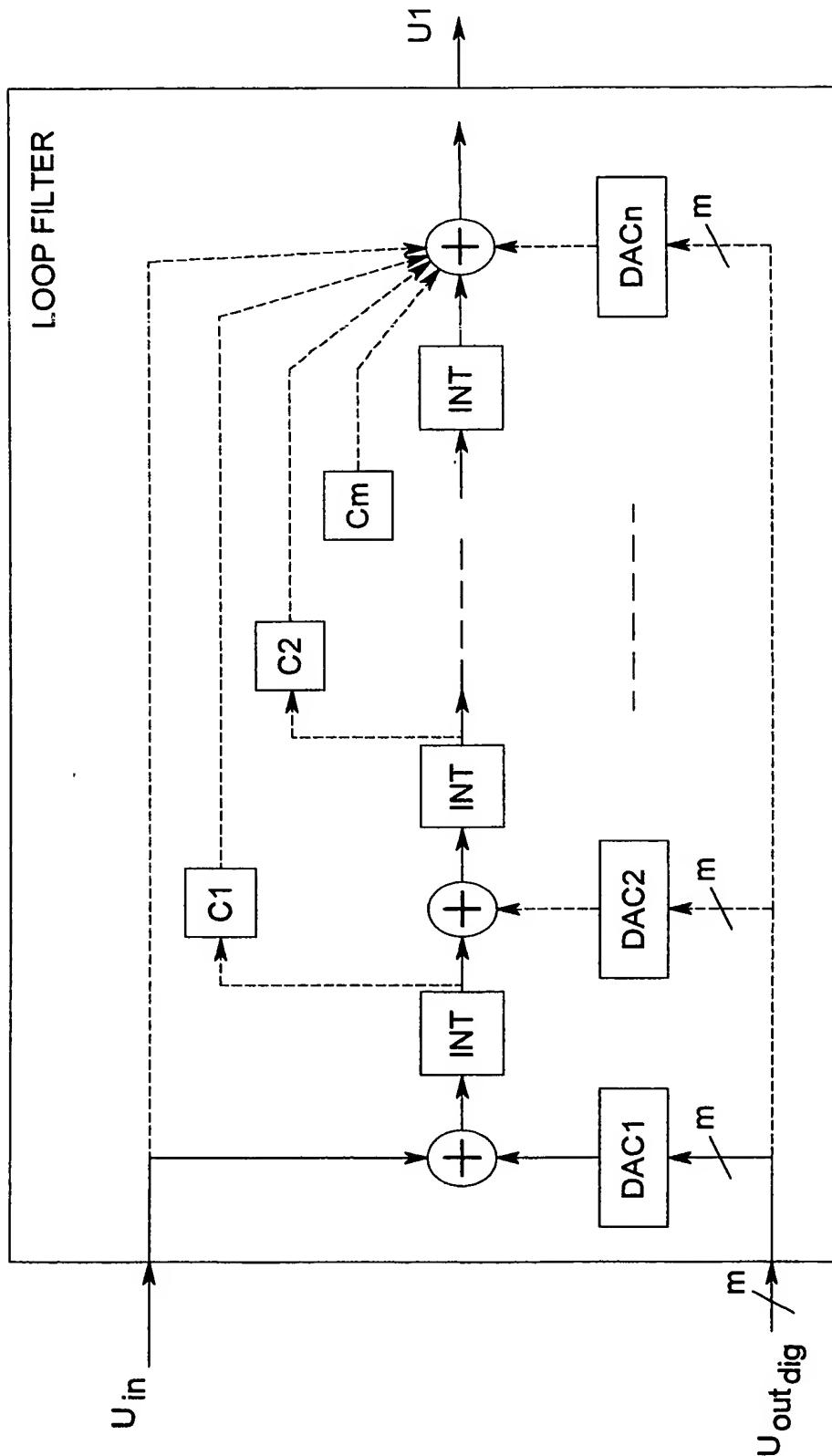


STATE OF THE ART

Fig. 1

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STATE OF THE ART

Fig. 2

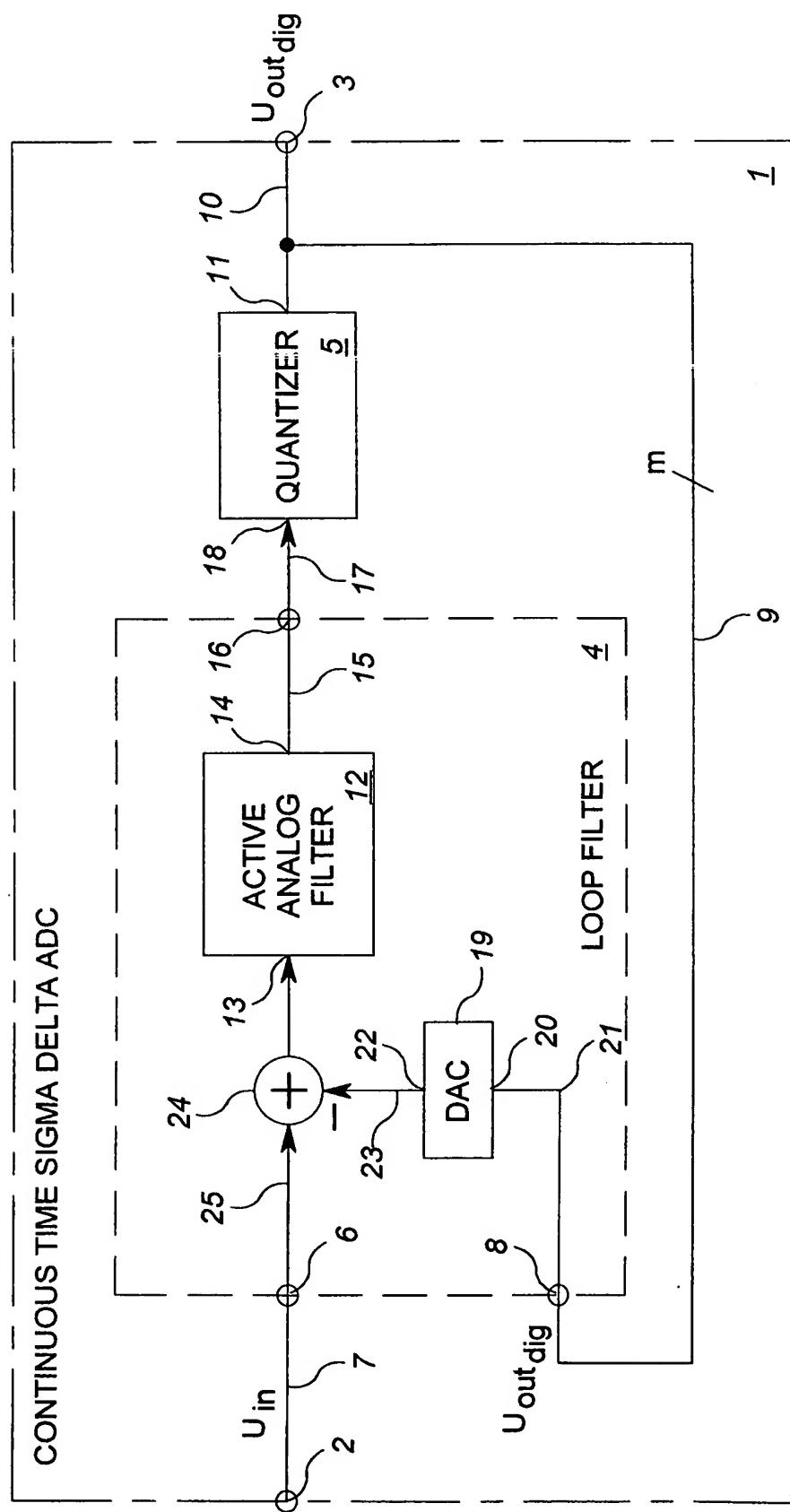


Fig. 3

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Bank One Center/Tower  
111 Monument Circle, Suite 3000  
Indianapolis, Indiana 46204-5115  
Tel. No. (317) 638-2922  
Fax No. (317) 638-2139

**Title: A LOOP FILTER FOR A CONTINUOUS TIME SIGMA DELTA  
ANALOG TO DIGITAL CONVERTER**

**Filing Date: February 6, 2004**

**Serial No.: 10/774,311**

**Group Art Unit: 2819**

**Examiner: To be assigned**

**Inventor(s): Wiesbauer et al.**

**Sheet 3 of 13**

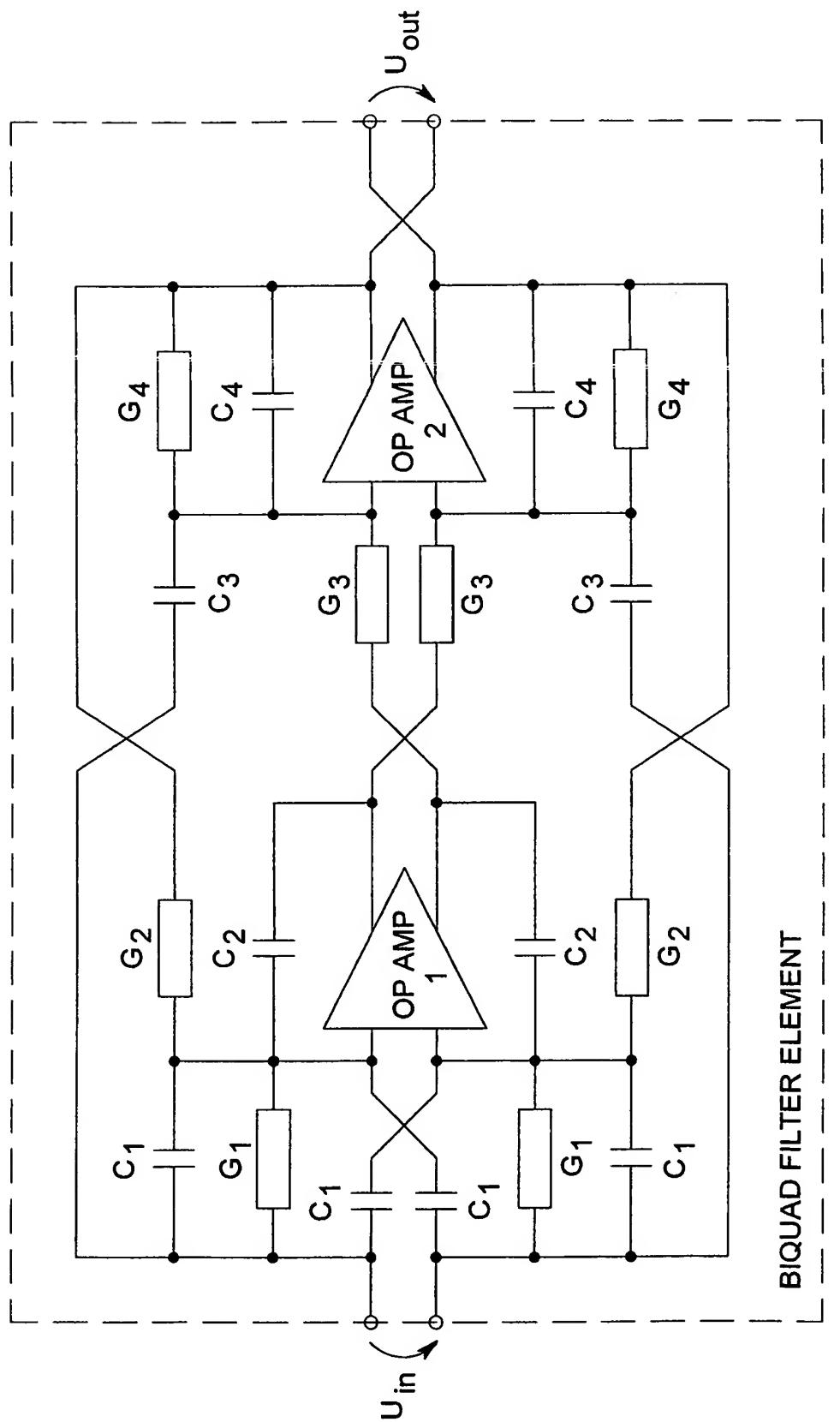


Fig. 4

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**Sheet 4 of 13**

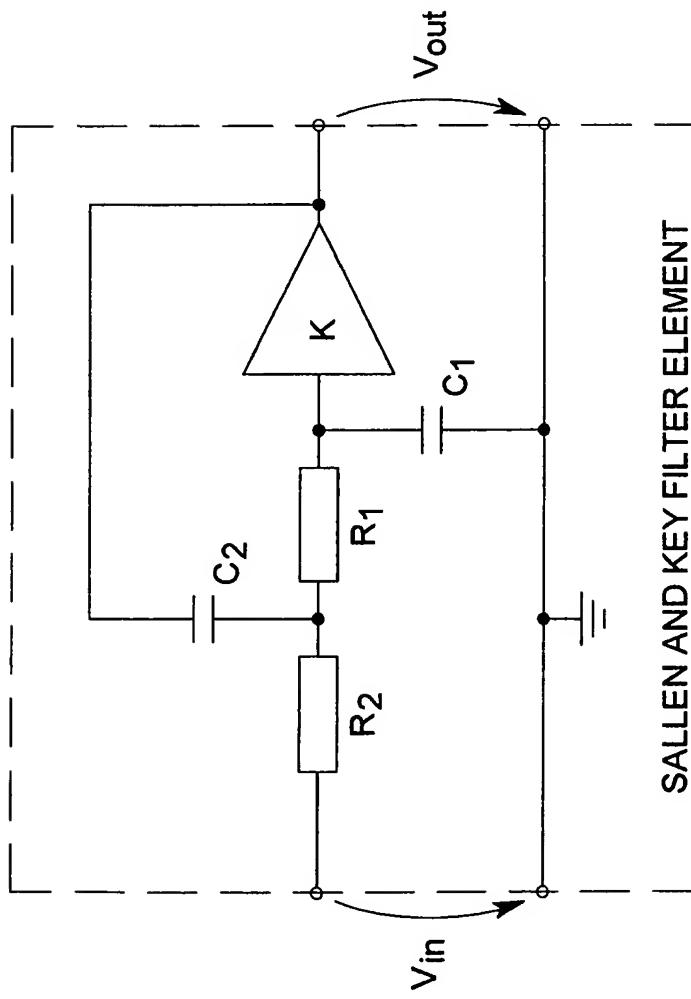
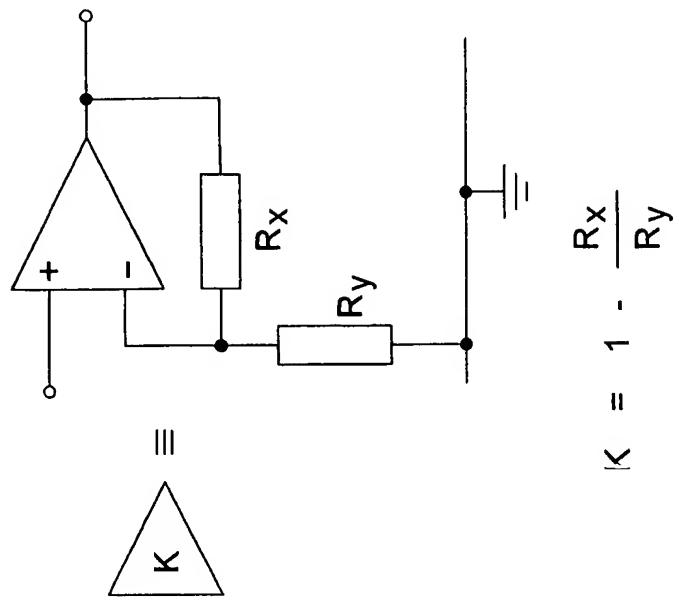


Fig. 5

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**Sheet 5 of 13**

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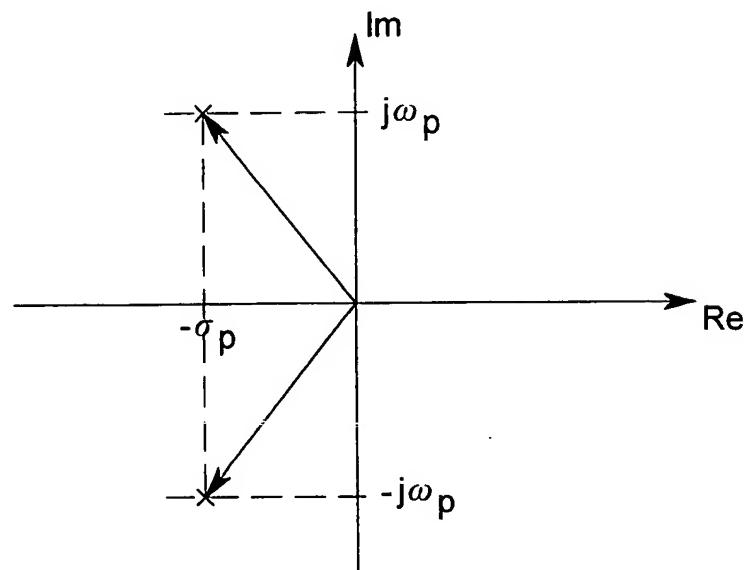


Fig. 6

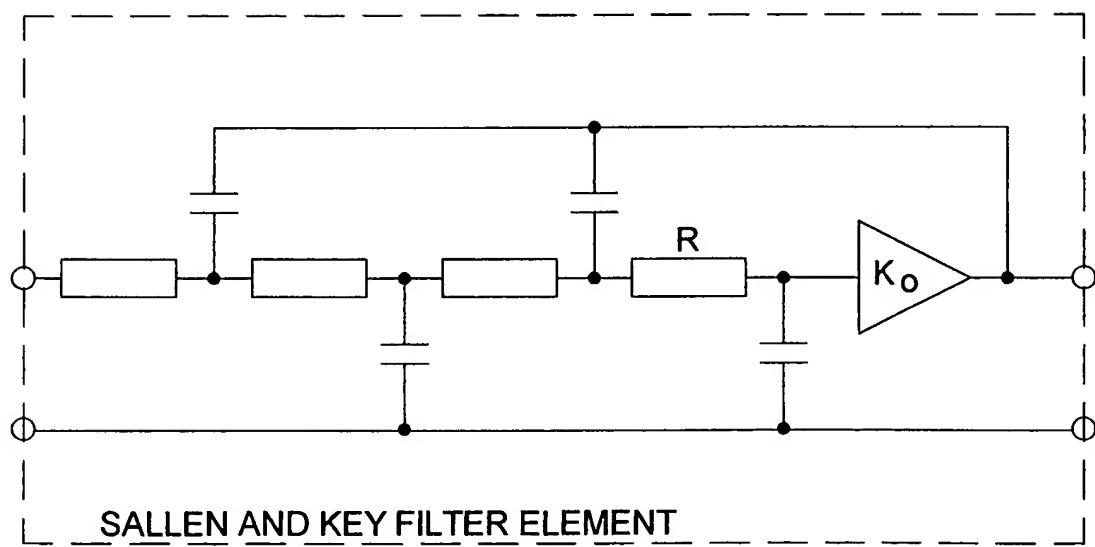


Fig. 7

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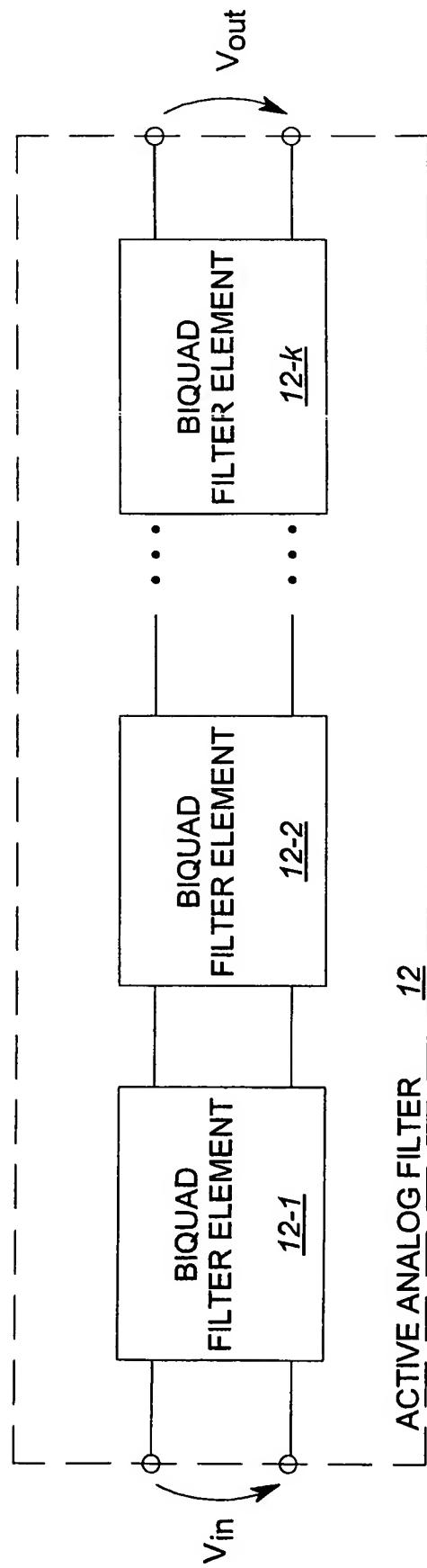


Fig. 8

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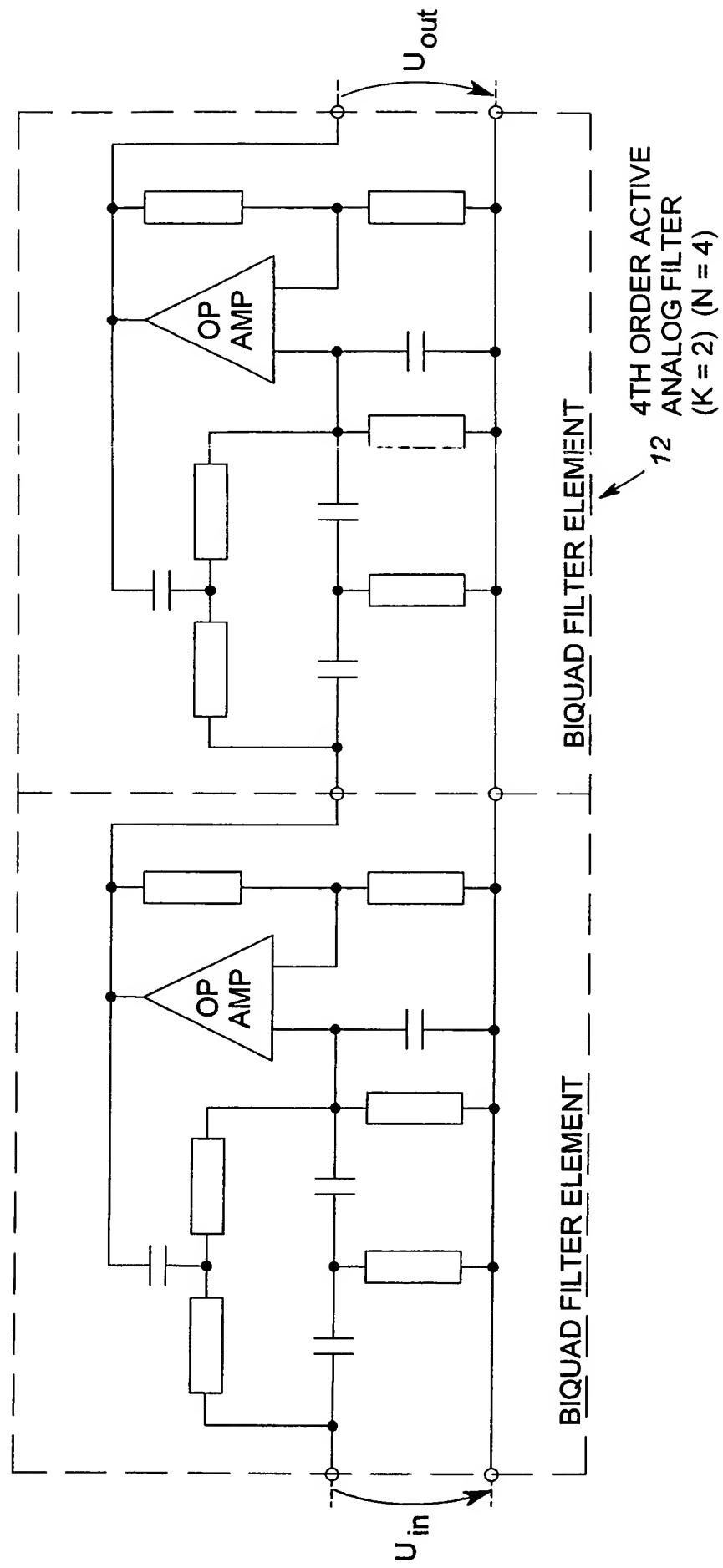


Fig. 9

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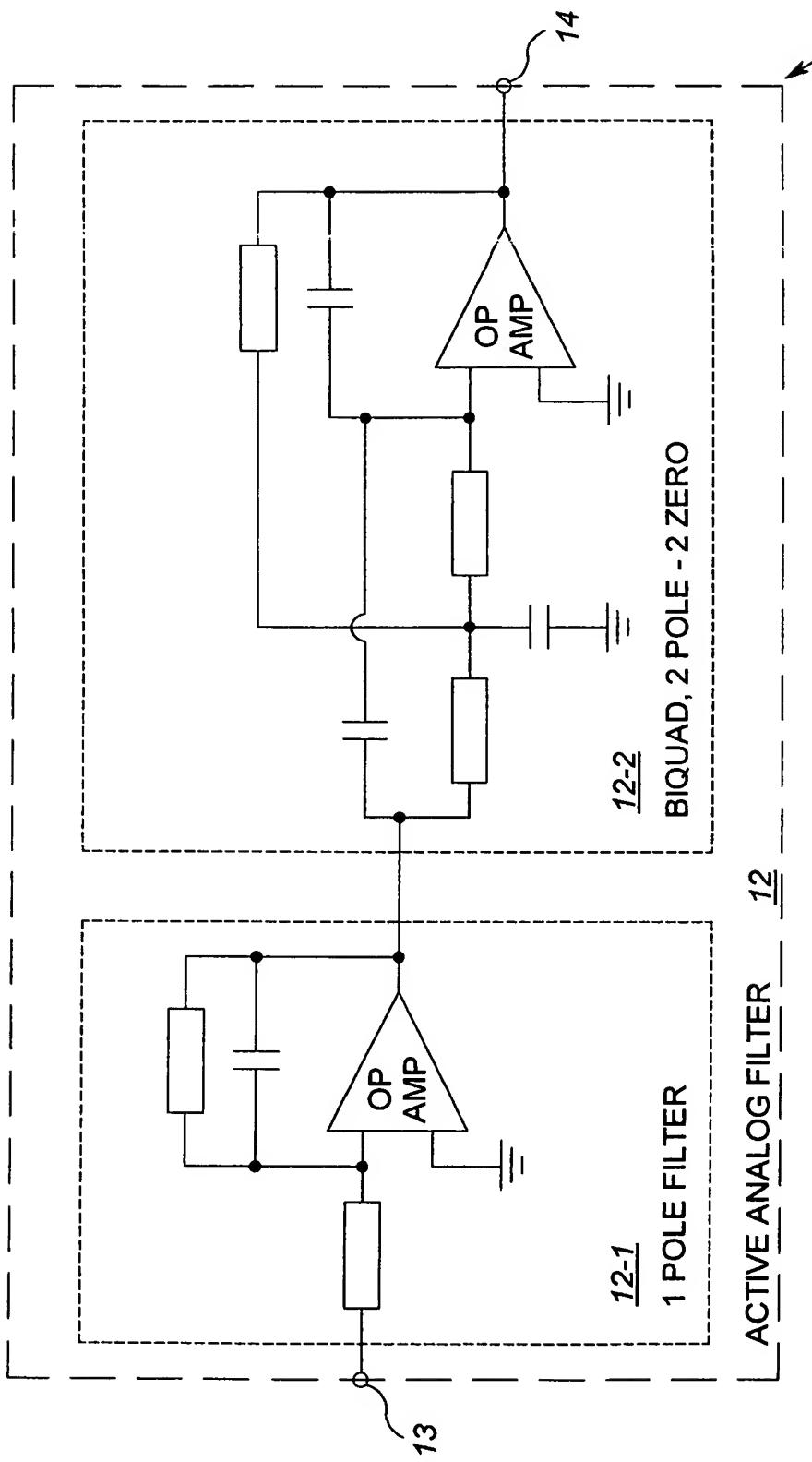
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3RD ORDER ACTIVE  
ANALOG FILTER  
( $K = 2, N = 3$ )

Fig. 10

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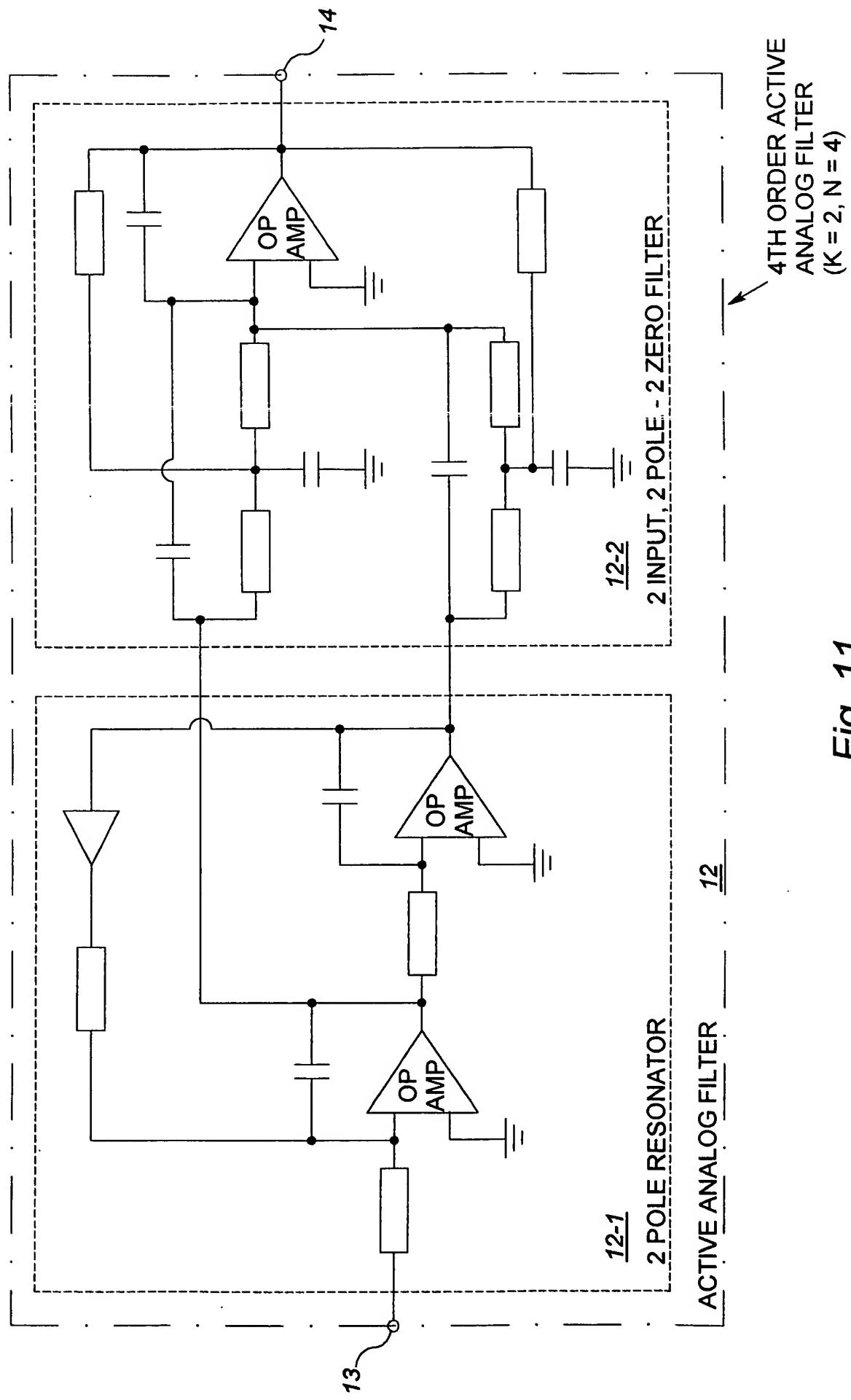


Fig. 11

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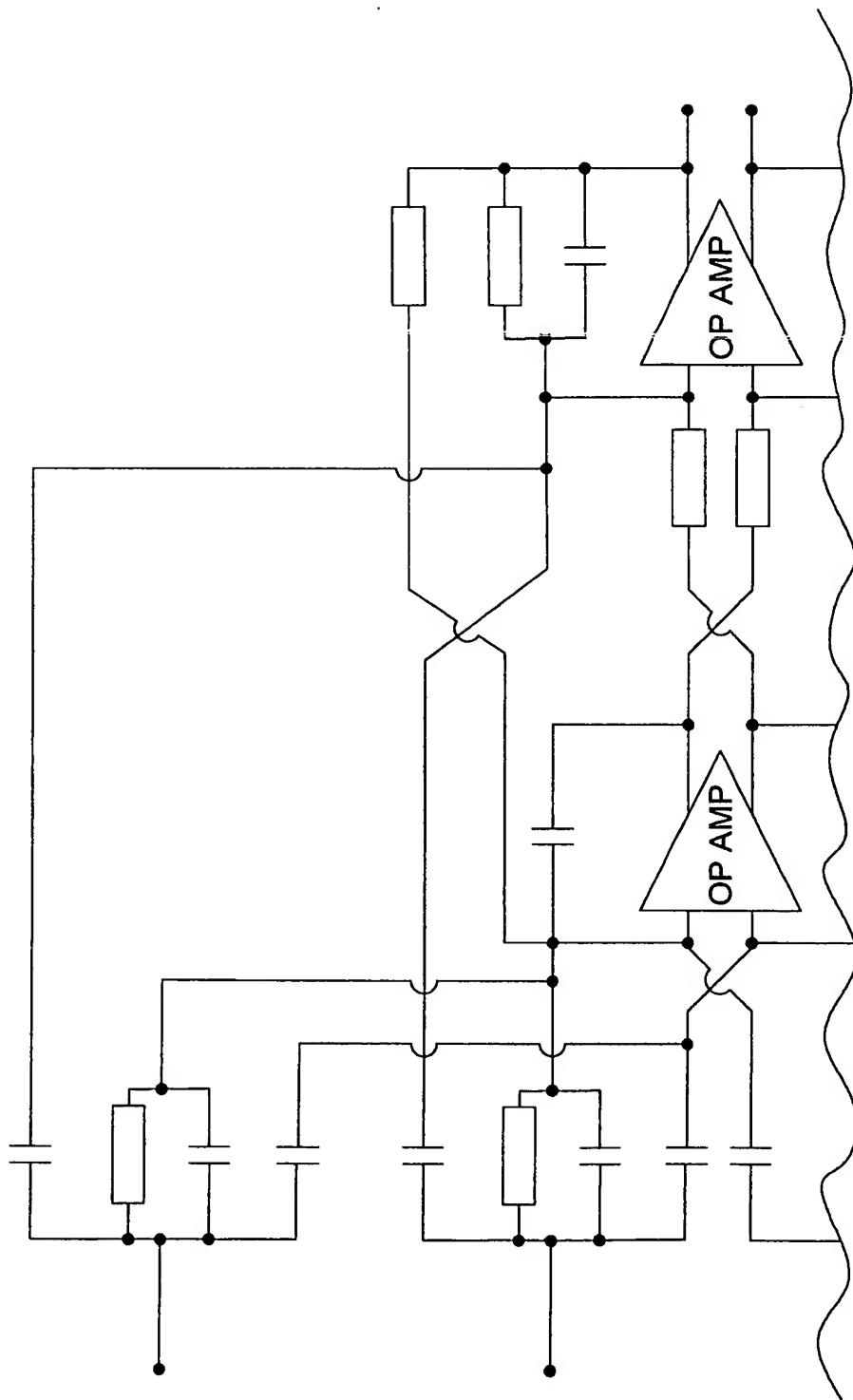


Fig. 12

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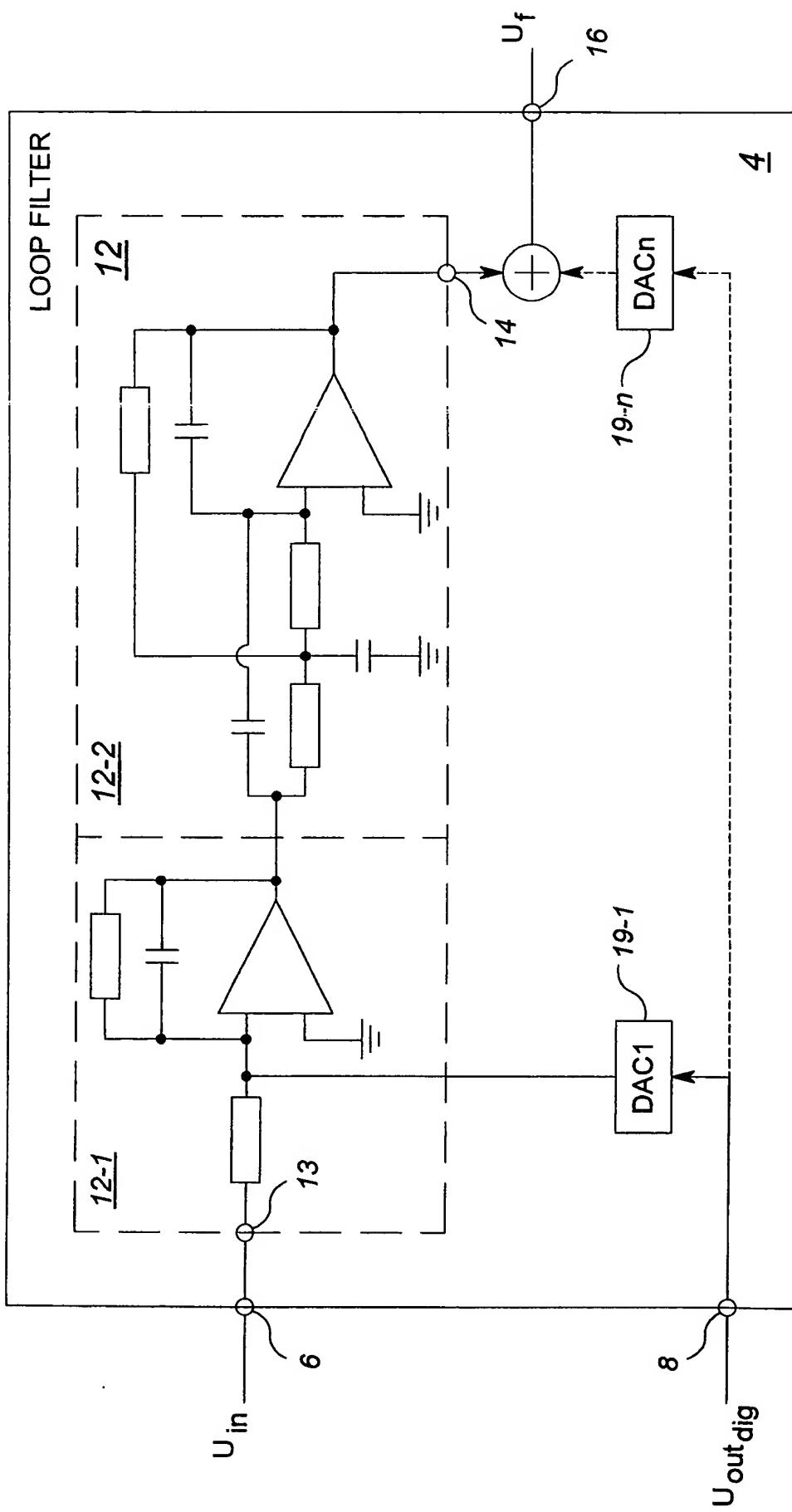


Fig. 13

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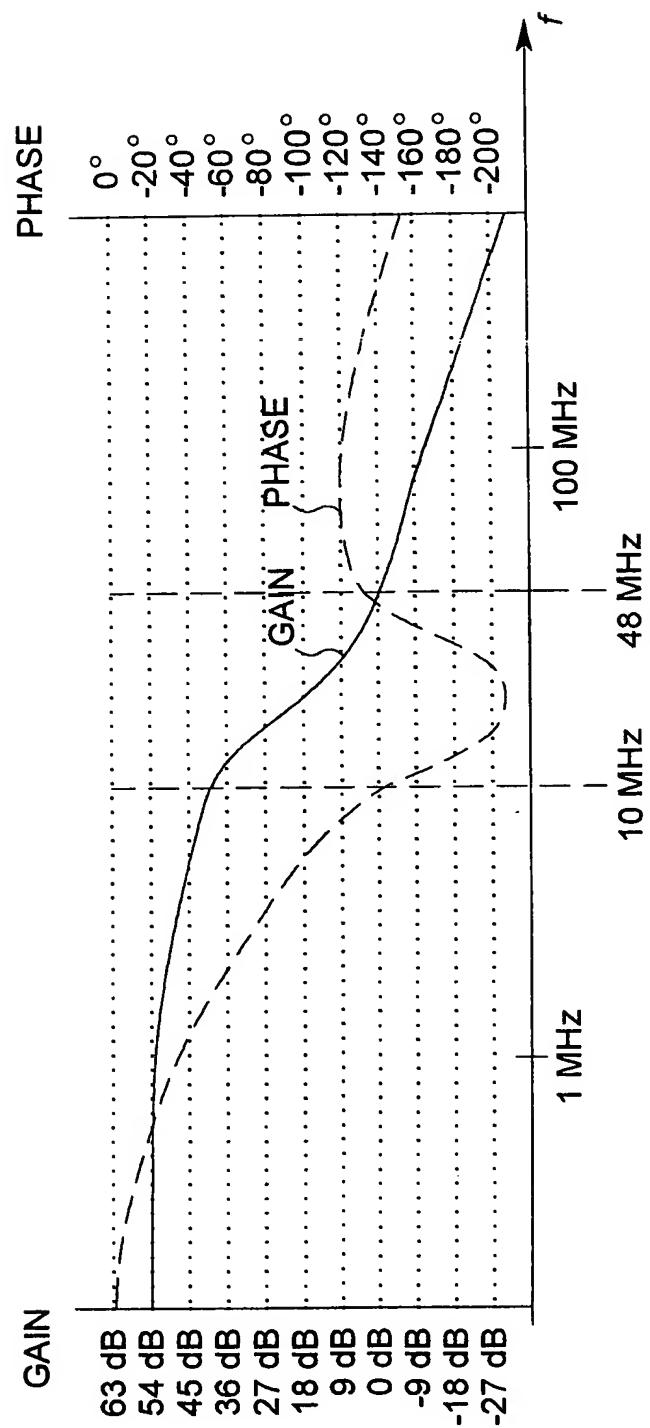


Fig. 14

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